

Exhibit 6

Unit Cost Estimates for Surface Restoration of Oil and Gas Sites

Unit costs for removal of physical infrastructure and equipment provided in the table below were used to establish the amounts for the Surface Restoration Surety proposed in the NCZO and CZO Amendments.

Physical Infrastructure and Equipment Removal Costs

Infrastructure Type	Unit	Removal Cost/Unit (\$)
Tank Settings		
Small (100 barrels [bbl])	\$/tank	2,000
Medium (1,000 bbl)	\$/tank	9,000
Large (10,000 bbl)	\$/tank	60,000
Pumps	\$/pump	1,200
Vessels	\$/vessel	5,000
Compressor	\$/compressor	3,700
Cogen Generator	\$/generator	7,500
Heater Treater	\$/heater treater	11,000
Gas Scrubber	\$/scrubber	6,000
Water Plant		
Small (500 bbl)	\$/tank	2,500
Medium (1,000 bbl)	\$/tank	5,000
Large (5,000 bbl)	\$/tank	15,000
Filters	\$/filter	3,000
Pumps	\$/pump	1,200
Compressor	\$/compressor	6,000
Gas Plant		
Propane Tank	\$/tank	5,400
Scrubbers	\$/scrubber	3,000
Flares	\$/flare	2,500
Pumps	\$/pump	1,200
Filters	\$/filter	3,000

County of Ventura
 Planning Commission Hearing
 PL21-0099 and PL21-0100
 Exhibit 6 - Unit cost estimates for surface
 remediation of oil/gas sites

Infrastructure Type	Unit	Removal Cost/Unit (\$)
Compressors	\$/compressor	2,200
LACT (Lease Automatic Custody Transfer) Unit	\$/LACT unit	5,400
Large Chemical Tank (3,000 gal)	\$/tank	5,000
Medium Chemical Tank (300 gal)	\$/tank	3,500
Small Chemical Tank (20 gal)	\$/tank	250
Coolers	\$/vessel	5,000
AWT (Automatic Well Tester) Settings		
Vessels	\$/vessel	4,500
Emulsion/Chemical Tanks	\$/tank	3,500
Piping Abandonment		
Low end estimate	\$/1000-linear feet	2,250
High end estimate	\$/1000-linear feet	10,900
Soil Removal ¹		
Soil Excavation/Remediation	\$/CY	10
Transport/Disposal of Excavated Soil	\$/CY	70

¹ The cost estimate assumes the offsite disposal of all the impacted soil at a cost of \$80/yd (for excavation, transport, and disposal). If the soil is treated in onsite bioremediation cells, the costs would be significantly reduced.